

Butte County Board of Supervisors 25 County Center Drive Oroville, CA 95965

To Whom It May Concern:

This letter is to inform you that the Coalition For Urban/Rural Environmental Stewardship (CURES) has submitted a proposal to CALFED, a state and federal agency, to request funding for projects that will be organized and implemented within your county. These projects may include demonstration farms on private property (with permission of the owner) that will show farm management practices designed to protect surface water quality. Farmers and public tours of those farms will be scheduled periodically over the next three years.

We also may hold farmer education meetings in your county, with the cooperation of the local Farm Bureau office, where surface water quality protection issues and practices will be discussed.

We anticipate no negative impact on county property or its citizens and will abide by all local ordinances in performing these projects.

If you have any questions about our CALFED proposal, please contact me at the address below.

Sincerely,

Parry Klassen
Project Manager



Butte County Planning Commission 7 County Center Drive Oroville, CA 95965

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Sincerely,

Parry Klassen Parry Klassen Project Manager



Colusa County Board of Supervisors 546 Jay Street Colusa, CA 95932

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Sincerely.

Parry Klassen Project Manager



Colusa County Planning Commission 220 - 12<sup>th</sup> Street Colusa, CA 95932

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Parry Klassen Project Manager



Merced County Board of Supervisors 2222 M Street Merced, CA 95340

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Parry Klassen Project Manager



Merced County Planning Commission Planing Department 2222 M Street Merced, CA 95340

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Sincerely,

Parry Klassen
Project Manager



Sacramento County Board of Supervisors 700 H Street, Suite 2450 Sacramento CA 95814

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Sincerely,

Parry Klassen Project Manager



San Joaquin County Board of Supervisors 222 E. Weber Avenue, Suite 701 Stockton, CA 95202

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Sincerely.

Parry Klassen Project Manager



San Joaquin County Planning Commission 1810 E. Hazelton Avenue Stockton, CA 95205

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Sincerely,

Parry Klassen

Project Manager



Stanislaus County Board of Supervisors 1100 H Street, 2<sup>nd</sup> Floor Modesto, CA 95354

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Stanislaus County Planning Commission 1100 H Street, 2<sup>nd</sup> Floor Modesto, CA 95205

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Sincerely,

Parry Klassen Project Manager



Sutter County Board of Supervisors 1160 Civic Center Boulevard, Suite A Yuba City, CA 95993

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Parry Klassen Project Manager



Sutter County Planning Commission 1160 Civic Center Boulevard, Suite E Yuba City, CA 95993

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Sincerely,

Parry Klassen Project Manager



Yolo County Board of Supervisors 625 Court Street, Suite 204 Woodland, CA 95695

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Parry Klassen
Project Manager



Yolo County Planning Commission 292 West Beamer Street Woodland, CA 95695

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Sincerely,

Parry Klassen Project Manager



April 15, 1999.

Yuba County Board of Supervisors 215 - 5<sup>th</sup> Street Marysville, CA 95901

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Yuba County Planning Commission 938 - 14<sup>th</sup> Street Marysville, CA 95901

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### Cost

See attached budget

### **Cost-sharing**

CURES is currently organizing private fundraising activities to seek support for the projects described in this proposal. Currently, no sources have been finalized. However, any private funds collected will be used to directly off-set costs need to implement the projects described in this proposal.

Year 1   1999-2000   1999-20			
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Task 4 77,700 Task 5 68,000 Task 6 72,000 Task 7 135,200 Task 8 23,800   Year 3 2001-2002  Task 1 609,700 Task 2 121,900 Task 3 49,900 Task 4 77,700 Task 4 77,700 Task 5 88,400 Task 6 72,000 Task 7 135,200 Task 7 135,200 Task 8 23,800  Total year 3 1,178,600			 
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Task 6       72,000         Task 7       135,200         Task 8       23,800         Total Year 2       976,300         Year 3       2001-2002         Task 1       609,700         Task 2       121,900         Task 3       49,900         Task 4       77,700         Task 5       88,400         Task 6       72,000         Task 7       135,200         Task 8       23,800			
Task 7     135,200       Task 8     23,800       Total Year 2     976,300       Year 3     2001-2002       Task 1     609,700       Task 2     121,900       Task 3     49,900       Task 4     77,700       Task 5     88,400       Task 6     72,000       Task 7     135,200       Task 8     23,800			
Task 8 23,800  Year 3 2001-2002  Task 1 609,700  Task 2 121,900  Task 3 49,900  Task 4 77,700  Task 5 88,400  Task 6 72,000  Task 7 135,200  Task 8 23,800  Total year 3 1,178,600			
Total Year 2 976,300  Year 3 2001-2002  Task 1 609,700 Task 2 121,900 Task 3 49,900 Task 4 77,700 Task 5 88,400 Task 6 72,000 Task 7 135,200 Task 8 23,800  Total year 3 1,178,600			
Year 3       2001-2002       Task 1     609,700       Task 2     121,900       Task 3     49,900       Task 4     77,700       Task 5     88,400       Task 6     72,000       Task 7     135,200       Task 8     23,800       Total year 3     1,178,600	Task 8	23,800	
Year 3 2001-2002  Task 1 609,700 Task 2 121,900 Task 3 49,900 Task 4 77,700 Task 5 88,400 Task 6 72,000 Task 7 135,200 Task 8 23,800  Total year 3 1,178,600			
Task 1     609,700       Task 2     121,900       Task 3     49,900       Task 4     77,700       Task 5     88,400       Task 6     72,000       Task 7     135,200       Task 8     23,800	Total Year 2	976,300	
Task 1     609,700       Task 2     121,900       Task 3     49,900       Task 4     77,700       Task 5     88,400       Task 6     72,000       Task 7     135,200       Task 8     23,800			
Task 1 609,700 Task 2 121,900 Task 3 49,900 Task 4 77,700 Task 5 88,400 Task 6 72,000 Task 7 135,200 Task 8 23,800  Total year 3 1,178,600	Year 3		
Task 1 609,700 Task 2 121,900 Task 3 49,900 Task 4 77,700 Task 5 88,400 Task 6 72,000 Task 7 135,200 Task 8 23,800  Total year 3 1,178,600	2001-2002		
Task 2       121,900         Task 3       49,900         Task 4       77,700         Task 5       88,400         Task 6       72,000         Task 7       135,200         Task 8       23,800         Total year 3       1,178,600			
Task 3       49,900         Task 4       77,700         Task 5       88,400         Task 6       72,000         Task 7       135,200         Task 8       23,800         Total year 3       1,178,600	Task 1	609,700	
Task 3       49,900         Task 4       77,700         Task 5       88,400         Task 6       72,000         Task 7       135,200         Task 8       23,800         Total year 3       1,178,600	Task 2	121,900	
Task 4       77,700         Task 5       88,400         Task 6       72,000         Task 7       135,200         Task 8       23,800         Total year 3       1,178,600		49,900	
Task 5       88,400         Task 6       72,000         Task 7       135,200         Task 8       23,800         Total year 3       1,178,600		77.700	
Task 6       72,000         Task 7       135,200         Task 8       23,800         Total year 3       1,178,600		88.400	 
Task 7     135,200       Task 8     23,800       Total year 3     1,178,600		72 000	
Task 8 23,800  Total year 3 1,178,600		135,200	
Total year 3 1,178,600			
	I WOLL U	23,000	 
	Total year 3	1 178 600	
	Total year 3	1,170,000	
	<u> </u>		
Total Project 3,333,300	T. 2.1 b	2 222 500	
	1 otal Project	3,333,300	
	<u> </u>		

Y		e.				
Year 1 Budget; page 1		·				
July 1999-July 2000						
	Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & Acq. Costs	OH Labor (Gen Admin & Fee)	Total by Budget Area
<u> Task 1</u> : Model Farms –		·				
Year One						
Ph	500 1		41.600			
Project manager	520 hrs/yr		41,600			
Assistant proj. mgr. – North Valley	320 hrs/yr		12,800			:
Assistant proj. mgr. – South Valley	320 hrs/yr		12,800		· · · · · · · · · · · · · · · · · · ·	
Model farm compensation 1500/farm x 5 farms			7500	e d		
Water monitoring plan			7500			· .
Water Sampling x 5 farms Sample analysis			200,000/yr			
Sample analysis Quarterly reports/yr		 	260,000/yr 7500	<u> </u>		
Quarterry reports/yr			7300			
Management practice brochures: 1/farm: 5 total				60,000		
Program total	- 1					609,700
Togram total						005,700
<u>Task 2:</u> Environmental Reviews						
Develop/Print 1000 reviews	90			12,500		
PCA/CCA Audit training, materials	45 hrs	·		9400		
PCA/CCA Review fees 1000 reviews at @ \$100			100,000			
Program total					· · · · · · · · · · · · · · · · · · ·	121,900
<u>Task 3</u> Speaker Training/ placement – ConEd Meetings						
Speaker placement with ConEd/farm org mtgs.	240 hrs/yr		19,200			
Materials/handouts (reprint 3 guidebooks)		1	4000			
Slide show	52		8700			
production/presentation materials						
Speaker presentation fee \$75/mtg – 240 mtgs.			18,000		÷	
Program Total						49,900
· ·						

Year 1 Budget; page 2 July 1999-July 2000						
July 1777-July 2000						·
	Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & Acq. Costs	OH Labor (Gen. Admin & Fee)	Total by Budget Area
Task 4 Speaker Training/Placement Grower mtgs						
Speaker placement with farm org mtgs	240 hrs/yr		19,200			
Speaker training 3 sites	48 hrs		3800			
Materials/handouts (reprint 3 guidebooks: 3000 ea.)			4000		· · · · · · · · · · · · · · · · · · ·	
Slide show production/presentation materials	52		8700			
Co-sponsor 4 events per 9 counties/yr @\$750			27,000			
Grower surveys				15,000		
Program Total						77,700
<u>Task 5</u> Speaker Training/Placement Urban prof. Mtgs.						
Speaker placement with urban prof. Mtgs	240 /yr		19,200			
Speaker training 3 sites	48		3800			
Develop Urban Guidebook /handouts: 3 brochures	90		7200			
BMP Guidebook Design/Production/Print 3 brochures; 3000 quan ea				27,000		
Slide show production/presentation materials	52		8700			
Co-sponsor 6 events per 5 urban centers /yr @\$750			22,500			
Project Total				<del> </del>		88,400

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Year 1 Budget; page 3 July 1999-July 2000				
	Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & OH Labor Total by Acq. Costs (Gen Admin Budget & Fee) Area
Task 6 Communications efforts				
3x/yr newsletter, 3000 circ; mgmt/writing	135 hrs/yr		10,800	
Newsletter Production/printing				38,400
Model farm tour set-	140 hrs		11,200	
up/manage/publicity: 5 tours			·	
Newsletter/local farm	145 hrs		11,600	
paper water issue articles: 2 per county; 18 articles				
				72,000
Task 7 Urban PSA				
materials, PSA broadcast				
Research/garden media calls; 5 target cities; garden	150/yr		12,000	
PSA Media kit development/materials for 300 kits	25			3200
Media buys in:				
Sacramento				50,000
Stockton			-	35,000
Modesto				35,000
Project Total				135,200
Project Total				155,200
Task 8 Reporting to CALFED				
Quarterly Reports	80 hr/yr		6400	
CPA Annual Audit	60/yr		7800	
Bookkeeping	240/yr		9600	
Project Total				23,800
July 1999-July-2000 Annual Total				\$1,178,600

er er			•	
	4 °	4.00		
Year 2 Budget; page 1				
August 2000-July 2001				
	Direct Labor	Direct	Service	Materials & OH Labor Total by
	Hours	Salary &	Contracts	Acq. Costs (Gen Admin Budget
		Benefits		& Fee) Area
Task 1: Model Farms -				
Year One				
roject manager	520 hrs/yr		41,600	
Assistant proj mgr	320 hrs/yr		12,800	
North Valley	320 120, 31		12,000	
Assistant proj mgr –	320 hrs/yr		12,800	
South Valley			12,000	
Model farm compensation	:	<del> </del>	7500	
1500/farm x 5 farms			,500	
TO SOLIMITE A P. TRITING				
Votor monitoring plan			7500	
Water monitoring plan		<u> </u>	_L	
Water sampling x 5 farms			200,000/yr	
Sample analysis			260,000/yr	
Quarterly reports/yr		<u> </u>	7500	
Program total				549,700
The state of the s				
<u> Fask 3</u> Speaker				
Fraining/ placement -				
ConEd Meetings				
Speaker placement with	240 hrs/yr		19,200	
ConEd/farm org mtgs				
Materials/handouts			4000	
reprint 3 guidebooks)				
Slide show	52		8700	
production/presentation				
materials				
Speaker presentation fee			18,000	
575/mtg – 240 mtgs				
Program Total			1	49,900
			<u> </u>	
<u> Fask 4</u> Speaker				
Fraining/Placement				
Grower mtgs				
Speaker placement with	240 hrs/yr		19,200	
Farm org mtgs	210 11131 31	,	,	
Speaker training 3 sites	48 hrs	<del>                                     </del>	3800	
Materials/handouts	70 1113	<del> </del>	4000	
		ŀ	1000	
repr. 3 gdbks: 3000 ea.)	52	<u> </u>	8700	
Slide show prod/present	32	.	0700	
naterials	-	-	27,000	
Co-sponsor 4 events per			47,000	
county/yr @\$750	<u> </u>	1	<u> </u>	15 000
Grower surveys				15,000 77,700
Program Total	1	1	1	1 //,/00

Year 2 Budget; page 2 August 2000-July 2001				
August 2000-July 2001				
	Direct Labor	Direct	Service	Materials & OH Labor Total by
	Hours	Salary &	Contracts	Acq. Costs (Gen Admin Budget
		Benefits	, commutation	& Fee) Area
Task 5: Speaker				
Training/Placement	·			
Urban prof mtgs				
Speaker placement	240/yr		19,200	
Speaker training 3 sites	48		3800	
Slide show	52		22,500	
production/presentation				
materials				
Co-sponsor 6 events in 5				22,500
urban center /yr @\$750				
Project Total				68,000
		1 11		
Task 6 Communications				
efforts				
3x/yr newsletter, 3000	135 hrs/yr		10,800	
circ; mgmt/writing				
Newsletter Production				38,400
printing (adv. agency)				
Model farm tour set-	140 hrs		11,200	
up/manage/publicity: 5				
tours		* 1		
Newsletter/local farm	145 hrs		11,600	
paper water issue articles:				
2 per county; 18 articles				
	- '			72,000
Task 7 Urban PSA				
materials, PSA				
broadcast				
Research/garden media	150/yr		12,000	
calls; 5 target cities;		1.		
garden	1.4.5			
PSA Media kit	25			3200
development/materials for				
300 kits				
Media buys in:				
Sacramento				50,000
Stockton				35,000
Modesto	<u> </u>			35,000
111040310	<del> </del>			
Project Total				135,200
rioject Total	-			

			d.				
Year 2 Budget; page 3 August 2000-July 2001							
	Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & Acq. Costs	OH Labor (Gen Admin & Fee)	Total by Budget Area	
Task 8 Reporting to CALFED							
Quarterly Reports	80 hr/yr		6400				
CPA Annual Audit Bookkeeping	60/yr 240/yr		7800 9600				
Project Total						23,800	)
August 2000 – July 2001						\$976,300	
Annual Total, All Projects							

Year 3 Budget; page 1 August 2001- July 2002						
	Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & Acq. Costs	OH Labor (Gen Admin & Fee)	Total by Budget Area
<u>Task 1</u> : Model Farms – Year One				-		
Project manager	520 hrs/yr		41,600			
Assistant proj mgr – North Valley	320 hrs/yr		12,800			
Assistant proj mgr – South Valley	320 hrs/yr		12,800			
Model farm compensation 1500/farm x 5 farms			7500			
Water monitoring plan		-	7500			
Water sampling x 5 farms			200,000/yr			
Sample analysis			260,000/yr			
Quarterly reports/yr			7500			
Management practice brochures: 1/farm: 5 total				60,000		
Program total						609,700
Task 2: Environmental Reviews						
Develop/Print 1000 reviews	90			12,500		
PCA/CCA Audit training, materials	45			9400		
PCA/CCA Review fees 1000 reviews at @ \$100			100,000			
Program total .						121,900
<u>Task 3</u> Speaker Training/ placement –						
ConEd Meetings						
Speaker placement with ConEd/farm org mtgs	240 hrs/yr		19,200			
Materials/handouts (reprint 3 guidebooks)			4000			
Slide show production/presentation materials	52		8700			
Speaker presentation fee \$75/mtg - 240 mtgs			18,000			
Program Total				-		49,900

Year 3 Budget; page 2						
August 2001- July 2002						
	Direct Labor Hours	Direct Salary & Benefits	Service Contracts	Materials & Acq. Costs	OH Labor (Gen Admin & Fee)	Total by Budget Area
Task 4 Speaker Training/Placement Grower mtgs						:
Speaker placement with farm org mtgs	240 hrs/yr		19,200			
Speaker training 3 sites	48 hrs		3800			
Materials/handouts (reprint 3 guidebooks: 3000 ea.)			4000			
Slide show production/presentation materials	52		8700			
Co-sponsor 4 events per county/yr @\$750			27,000			
Grower surveys				15,000		
Program Total						77,700
Task 5 Speaker Training/Placement Urban prof. Mtgs						
Speaker placement with urban prof. Mtgs	240 hrs/yr		19,200	·		
Speaker training 3 sites	48		3800			
Develop Urban Materials/handouts: 3 BMP brochures	90		7200			
BMP Guidebook, Agency Design/Production/Print 3 brochures; 3000 quan ea				27,000		
Slide show production/presentation materials	52		8700			
Co-sponsor 6 events per urban center /yr @\$750			22,500			
Project Total						88,400

Year 3 Budget; page 3 August 2001- July 2002				
1142 45t 2001 - 3417 2002		<u> </u>		
	Direct Labor Hours	Direct Salary &	Service Contracts	Materials & OH Labor Total by Acq. Costs (Gen Admin Budget
	<u> </u>	Benefits		& Fee) Area
<u> Pask 6 Communications</u>				
3x/yr newsletter, 3000	135 hrs/yr		10.000	
circ; mgmt/writing	155 IIIS/yI		10,800	
Newsletter Production/printing				38,400
Model farm tour set-	140 hrs		11,200	
up/manage/publicity: 5 ours				
Newsletter/local farm	145 hrs		11,600	
paper water issue articles: 2 per county; 18 articles				
				72,000
<u> Task 7</u> Urban PSA				
naterials, PSA proadcast				
Research/garden media	150 hrs/yr		12,000	
alls; 5 target cities; garden				
SA Media kit	25 hrs			3200
levelopment/materials for 00 kits		· · · · · · · · · · · · · · · · · · ·		
Aedia buys in:				
Sacramento				50,000
tockton			:	35,000
Nodesto				35,000
roject Total				135,200
<u>Fask 8</u> Reporting to CALFED	-			
Quarterly Reports	80 hr/yr		6400	
PA Annual Audit	60/yr		7800	
Bookkeeping	240/yr		9600	
roject Total				23,800
August 2001 T. L. 2002				01 170 600
August 2001- July-2002 Annual Total, All Projects				\$1,178,600

Project Quarterly Budget							
	Qtly budget Oct-Dec 91	Qtly budget Jan-Mar 00	Qtly budget Apr-Jun 00	Qtly budget Jul-Sept 00	Qtly budget Oct-Dec 00	Qtly budget Jan –Mar 01	
•							
Task I	203,333	203,333	203,333	137,425	137,425	137,425	
Task 2	60,950	60,950					
Task 3	24,950	24,950		24,950	24,950		
Task 4	38,850	38,850	1	38,850	38,850		
Task 5	44,200	44,200		34,000	34,000		
Task 6	24,000	24,000	24,000	24,000	24,000	24,000	
Task 7	45,066	45,066	45,066		45,066	45,066	
Task 8	7,933	7,933	5,950	5,950	5,950	5,950	·
					* 1 · · · · · · · · · · · · · · · · · ·		

	Qtly budget Apr-Jun 01	Qtly budget July-Sept 01	Qtly budget Oct-Dec 01	Qtly budget Jan -Mar 02				
Task 1	137,425	152,425	152,425	152,425	152,425		100	
Task 2		60,950	60,950					
Task 3		24,950	24,950			,		
Task 4		38,850	38,850					
Task 5		44,200	44,200					
Task 6		24,000	24,000	24,000		14.		:
Task 7	45,066		45,066	45,066	45,066			
Task 8	5,950	5,950	5,950	5,950	5,950		· · · · · ·	

### **Applicant Qualifications**

CURES is the primary contractor for this proposal and will take responsibility for performance, reporting to CALFED, and oversight of budgets. An organizational chart is attached showing CURES' structure.

CURES is an organization formed to promote stewardship of pesticides to various audiences, including farmers and urban citizens. The non-profit organization was founded in 1997 to support educational efforts for agricultural and urban communities focusing on the proper and judicious use of pest control products. Central to this goal is developing and implementing projects that advance stewardship practices when storing, handling or applying these products.

Since late 1998, CURES has undertaken an intensive program to inform growers in the Central Valley about potential non point source pollution from pesticide and nutrient products while promoting use of management practices with the potential to correct the problem. CURES' greatest strength is its support by both the suppliers of pesticides and nutrient products, who have the most direct, routine contact with farmers, and the various farm and commodity organizations.

CURES is capable of and has the expertise to manage the tasks outlined in this proposal. Other projects currently underway include promoting and distributing materials on agricultural container recycling; promotion of best management practices (BMPs) for orchard and ground sprayers and proper mixing and loading techniques for protection of water quality; developing and distributing ground application stewardship training presentation modules; organizing urban/rural IPM educational tours, among other projects.

In this project, CURES will rely on the expertise of our collaborators (listed on the title page), who will serve on our technical advisory board and also advise the CURES project manager on every aspect of this project, especially in efforts targeted to the local farm community. The advisory board is a broad-based coalition representing stewardship interests of agricultural, environmental, crop protection and water associations, as well as government agencies, academia and public interest groups. Local pesticide and nutrient dealers and their PCAs/CCAs in each region will also play a pivotal role in the outreach efforts described in this proposal.

### **Project Managers**

### Parry Klassen: Project Manager, Communications Consultant

Mr. Klassen is a communications consultant, agricultural writer, and fruit grower from Clovis, CA and is an ideal professional to lead and organize the projects described in this proposal. Over the past 20 years, Mr. Klassen has held a number of positions where he has managed agriculture communications project activities. Those activities include being Director of Public Relations for an agriculture advertising/public relations firm with clients in irrigation, fertilizer, crop protection products, and trade organizations; a Group Editor for magazines written for the national and international pesticide industry (Farm Chemicals/Farm Chemicals International), the fruit and vegetable industry (Amercian Fruit Grower, American Vegetable grower), and a writer/reporter for several state publications (California Farmer magazine and Ag Alert newspaper), among others. Mr. Klassen also has extensive experience in media relations with the farm trade and mainstream press, including the Los Angeles Times, San Francisco Chronicle, and Fresno/Modesto Bee. He has also helped to organize local groups to develop communications materials on various issues, including the proper use of pesticides in urban settings. He also has organized and led numerous farm tours to operations in California

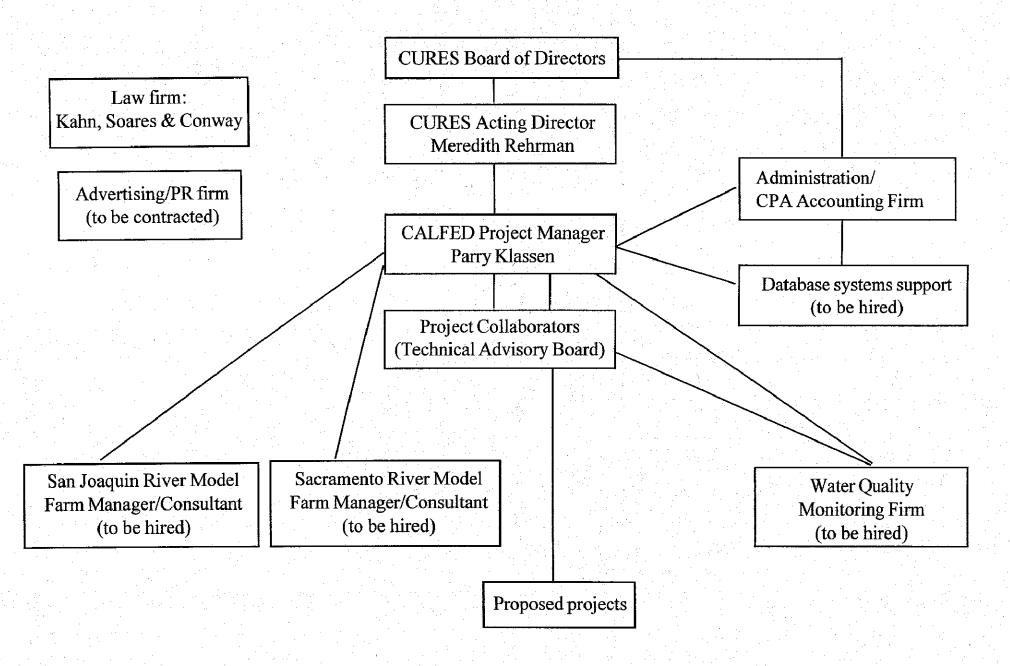
and around the country. In his current role with CURES, Mr. Klassen has written numerous articles about the surface water issue; made over a dozen presentation to farm groups in central California about water quality issues; written and produced stewardship guidebooks for farmers; written and produced educational slide shows on protecting water quality and stewardship of pesticide products; and assisted in the development of the CURES organization.

Mr. Klassen is also a life-long fruit grower, with his own family farm of peaches and nectarines located in Selma, CA. His was raised on a family fruit farm near Reedley, CA, and received a degree in Agricultural Communications for California State University, Fresno.

### Meredith Rehrman, Acting Director, CURES

Ms. Rehrman has held agricultural communications positions for more than ten year. Ms. Rehrman's positions include Communications Director for the International Food Information Council, the Western Crop Protection Association, and CURES, where she has organized and managed: agricultural tours in California, Florida and New York for the mainstream media that showcase integrated pest management (IPM) practices; organized agricultural tours in California and Arizona for representatives of U.S. EPA and Cal-DPR, state government officials and media that showcase minor crops and minor use pesticides; and worked in media relations with the mainstream and agricultural trade press on pesticide-related issues. She has also served as statewide chair of pesticide/pest management issues for California Women for Agriculture; served on pesticide-related coalitions that included representatives from industry, government and academia; served as chair of the IPM Committee of the Western Crop Protection Association; served as editor/writer of the IPM Monitor, published by the National Foundation for IPM Education and financially supported by the US Department of Agriculture. Ms. Rehrman was raised on a family farm near Woodland, CA and holds a Masters Degree in Agriculture Communications from Cal Poly San Luis Obispo.

# CALFED Project Program Organizational Chart



### **Compliance with Standard Terms and Conditions**

In accordance with instructions, attached is a signed Non-Discrimination Compliance Statement and form for funding projects by the Federal Government.

There are no objections noted to the Standard Clauses – contract with public entities.

### NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

COMPANY NAME		^ -			
		<b>1</b> ()	· 1 1		. 1
	-1/(c)c	Kiral Fail	(Ama d)		
CORTINO - LOV	V 4 10 at		10 mental	JITC WOND	SHI
			•		

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HTV and ATDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

### CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

Parry Klassen	
OFFICIAL'S NAME April 15, 1999	
DATE EXECUTED	EXECUTED IN THE COUNTY OF Sacramento
PROSPECTIVE CONTRACTOR'S SIGNATURE  CONSULTON	
PROSPECTIVE CONTRACTOR'S TITLE	
PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME	

APPLICATION FOR				OMB Approval No. 0348-004	
	DERAL ASSISTANCE  2. DATE SUBMITTED			Applicant Identifier	
1. TYPE OF SUBMISSION:		3. DATE RECEIVED BY STATE		State Application Identifier	
Application Construction	Preapplication Construction	1 DATE DECEMBER -			
Non-Construction	Construction Non-Construction	4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier	
5. APPLICANT INFORMATION	( con sonon action				
Legal Name:	10 16	11 ()	Organizational Unit:		
Cualition for Url	on Kural Knyiron	mental Steinarding			
Address (give city, county, State	, and zip code):		Name and telephone r this application (give a	number of person to be contacted on matters involving	
Sacramento, CA	060011 0011		1 // 17 1 (77)		
		-		ssen 559 3259855	
6. EMPLOYER IDENTIFICATIO	N NUMBER (EIN):		7. TYPE OF APPLICA	NT: (enter appropriate letter in box)	
911-1839291			A. State H. Independent School Dist.  B. County I. State Controlled Institution of Higher Learning C. Municipal J. Private University		
8. TYPE OF APPLICATION:					
New Continuation Revision					
If Revision, enter appropriate letter(s) in box(es)			D. Township E. Interstate	K. Indian Tribe L. Individual	
			F. Intermunicipal	M. Profit Organization	
A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other(specify):			G. Special District	N. Other (Specify) Nan-prati	
D. Door dase Duration Carler	зреспу).		9. NAME OF FEDERA	AL AGENCY:	
			CALFED		
10. CATALOG OF FEDERAL D	OMESTIC ASSISTANCE N	UMBER:	11. DESCRIPTIVE TIT	LE OF APPLICANT'S PROJECT:	
black			Promotion S	temandship Practices to Reduce	
TITLE:			Non Point S	ourse Pollution from Production	
12. AREAS AFFECTED BY PRO			1/4/1/4/1/2	arre rollwish trem production	
Some Lolusa, Me	erced, Stanisla	ba country EA		durban Centers in the Son Joaquin Watersheds	
13. PROPOSED PROJECT	14. CONGRESSIONAL DI		1 JULY CIMENTO	SULUIAPLIA WOTERSTEAS	
	2,3,4,5,	11, 18			
Start Date Ending Date	a. Applicant		b. Project		
15, ESTIMATED FUNDING:	CURES		16 S APPLICATION	SUBJECT TO REVIEW BY STATE EXECUTIVE	
TOT ESTIMATED FORDING.		(	ORDER 12372 PR		
a. Federal	\$	,00			
h Appliant	<u></u>	00	<del>1</del>	PPLICATION/APPLICATION WAS MADE	
b. Applicant \$		AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:			
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There is a growing concern about pesticides and nutrients from farming operations flowing into the Sacramento/San Joaquin Delta.

## **Catching the drift**

A strategic plan to keep pesticides from reaching rivers and streams gains urgency in light of new restrictions

BY PARRY KLASSEN

eorge knows it's hard to get good spray coverage on his almond trees next to the river. So he drives extra slow, blasting the mist up and over the tree tops, with some of the spray drifting down into the river.

Downstream from where George is spraying, an automated water monitoring device gathers its hourly water sample from the river. The drift from George's application made 30 minutes earlier is detected by the device, which sounds an alarm at the county agriculture commissioner's office. An office staffer quickly pulls up the day's application permits and finds George's permit for spraying the almond orchard upstream from the monitor. By the time George pulls his tractor into the yard, a deputy from the ag commissioner's office is waiting.

This fictional account of a grower being caught for drifting pesticides into a river may seem a bit far-fetched. But if development of new surface water quality regulations continues at its current pace, ol' George could be facing some aspects of this situation sooner than most farmers think.

In its broadest definition, George's spray drift contributed to what regulators call non-point source pollution. If George did a sloppy job mixing and loading his sprayer and rain later washes the residues into the river, that too is considered non-point source pollution. Runoff from irrigation or heavy rains also carries that designation if the runoff contains pesticides, nutrients or silt.

Non-point source pollution, be it from farms, ranches or urban centers, is now in the regulatory cross hairs, and in some instances, the trigger is being squeezed. Driving the issue is a myriad of federal and state laws and agencies, chief of which are the Clean Water Act and the U.S. Environmental Protection Agency (EPA).

In the tributaries flowing into the Sacramento/San Joaquin Delta, a growing concern is non-point source pollution made up of pesticides and nutrients originating from farming activities. And it's not just diazinon run-

off from dormant orchard sprays or herbicides from rice fields, two problems where significant advances have been made in recent years.

Water samples taken from Central Valley rivers and streams by the U.S. Geological Survey (USGS) showed more than 20 widely used insecticides, miticides and herbicides in the water. While none of the samples exceeded drinking water standards, some did exceed criteria for protection of aquatic life. These detections have gotten the attention of pesticide manufacturers, farm groups and regulators.

"The USGS numbers are a very good indication of what is out there and it should bring some concern to the agricultural community," says Doug Okumura, acting assistant director of the Division of Enforcement, Environmental Monitoring and Data Management at the California Department of Pesticide Regulation (DPR).

Concern is, in fact, an understatement. Driven by impending surface water regulations and increased activ-

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ist rumblings, a number of ag groups and government agencies have already initiated programs ranging from grower outreach efforts to organizing watershed working groups. Their goals focus on two areas: changing farming practices that might cause inadvertent non-point source pollution and protecting farmers who aren't contributing to the problem.

"The EPA and environmental community are really beginning to hone in on non-point source pollution, and

there is an unsupported belief that agriculture is the only culprit," says Ronda Lucas, director of forestry and natural resources at the California Farm Bureau Federation. "To prove this, we want to provide farmers with whatever tools are necessary to assess their watersheds and identify potential problems. More importantly, we want farmers to get credit for what they are doing right by devising an easy monitoring plan that proves agriculture isn't the only culprit."

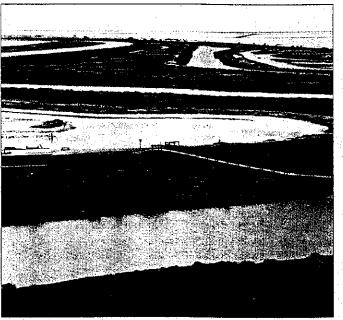
Tracing the origins of non-point source pollution then deciding how to regulate it is proving tougher than anyone could have imagined. The most significant surface water law is the Clean Water Act of 1972, which is implemented nationally by EPA. At the state level, the water quality enforcement falls to the State

and Regional Water Quality Control Boards. Since DPR is the lead agency for regulating pesticides in the state, an agreement was formed with the Water Board to let DPR take a lead role in solving the non-point source pollution problem as it relates to pesticides.

A key concept in the Clean Water Act is "Total Maximum Daily Load," better known as TMDL. A TMDL is a numeric target for pollutants or "stressors" that a water body is allowed to have. A TMDL is required when a body of water is determined to be "impaired."This impairment can be caused by silt, nutrients, temperature or pesticides — among other things — at levels out of compliance with the Clean Water Act. A TMDL, as its name indicates, is the total load from pollutants moving into a river each day by urban storm water discharges, wastewater treatment plants or non-point sources such as agriculture.

If a river or stream is deemed to be "impaired," a TMDL must be developed. Next, the plan to bring that water body back into compliance must also be developed and implemented.

That's where DPR is today with diazinon, an insecticide whose detection in the Sacramento and San Joaquin Rivers and several tributaries was traced back to drift and runoff from dormant orchard applications. During the development of TMDLs for diazinon, DPR wants to work with grower groups and others to develop mitigation measures, which could include Best Management Practices (BMPs), changes in the product label



Samples taken from Central Valley rivers and streams have revealed more than 20 widely used insecticides, miticides and herbicides in the water.

or other regulatory approaches to ensure the rivers are brought back into compliance. This will continue work to reduce diazinon detection levels started several years back by Novartis, the product manufacturer, and commodity groups, including the Almond Board and Cling Peach Advisory Board, when the problem was first discovered

"Developing a TMDL is supposed to be a stakeholder-driven process," Okumura says. "It's going to be an arduous process and I'm hoping farmers and their representatives along with all other interested parties will attend the public meetings. Ultimately, the decisions are going to have an impact on farmers."

Since setting a TMDL for diazinon would be the first such standard developed for a pesticide in California or the country as a whole, DPR officials believe the process will serve as the tem-

plate for future TMDLs in the state. "We're hoping to use all the best science available to set that level," says Marshall Lee, associate environmental research scientist at DPR. To that end, Lee is overseeing development of a database at DPR that will serve as a repository for all reliable data on surface water sampling done in the state for diazinon and other products.

An unsettling development on TMDLs is a rash of lawsuits filed by activist groups intended to force EPA into creating TMDLs for dozens of rivers around the country, including some in California. To date, more than 25 lawsuits have been filed and of those

resolved, all settled in favor of the complainant. Many fear that using litigation to form policy will force EPA to act too quickly on developing TMDLs, foregoing adequate and thorough scientific study in favor of expediency. To prevent such a reaction, farm and industry groups in recent months have begun formulating plans to get ahead of the issue before regulations are finalized.

One such plan under development by the California Farm Bureau is called the Nonpoint Source Initiative and Strategy 2000. This plan lays the framework for farmers to organize themselves into watershed working groups and begin gathering water quality data specific to their area.

"As we studied this issue, we found very little quantifiable, scientifically valid data about water quality and non-point source pollution," Lucas says. "What it's coming to is that farmers need this data to prove they are innocent. EPA and the public are pointing a finger at agriculture without the data to back it up. If we can't defend ourselves and show data that proves we are not guilty, we will be regulated."

Another effort under way to promote BMPs that help minimize off-site movement of pesticides and nutrients is sponsored by the Coalition For Urban/Rural Environmental Stewardship (CURES), a non-profit education organization established in 1997 as the stewardship arm of the Western Crop Protection Association (WCPA).

In addition to co-sponsoring grower meetings on the water quality issue with Farm Bureau, CURES is

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publishing booklets describing practices to help protect water quality. Subjects include mixing and loading pesticides, managing spray drift from air blast and ground application equipment, and controlling irrigation runoff. The group is also organizing sprayer calibration clinics in the Central Valley in conjunction with UC Cooperative Extension.

Okumura agrees that the word on protecting water quality needs to get out to farmers, and quick. "The education and outreach component is absolutely critical when we finalize the mitigation measures. One of our biggest problems is explaining the potential problem and the consequences of not following these mitigation measures."

Ranchers in the Garcia River region of Northern California got a taste of what can happen if TMDL development and implementation is forced by lawsuits. Environmental groups recently filed suit against EPA demanding that TMDLs be set for 17 rivers in California. Since the Garcia River was first on the list, the Northwest Regional Water Quality Control Board focused on that river as a test case. Recently, the Water Board presented ranchers and loggers with three yet-to-be-finalized options: stop all sediment discharge into the river; follow a basin-wide plan written by the Regional Water Quality Control Board staff that includes measures such as no commercial land management activities within 25 feet of the riparian area bordering the river and its tributaries and no use of heavy equipment between Oct. 15 and May 1; or each landowner submit a plan that includes extensive water monitoring, detailed description of remediation efforts, annual progress reports, and public access to those records. And the Water Board must first approve the plan before it can be implemented.

Where Farm Bureau hopes to help farmers in other regions of the state is in organizing watershed working groups that can prepare for the inevitable TMDL steamroller. Key leaders in this effort include Lucas, Carolyn Richardson, director of the Department of Environmental Advocacy, and Tess Dennis, director of environmental protection, all three who are Farm Bureau water experts based in Sacra-

"We hope to provide farmers and ranchers all the technical and informational tools they need to fix the problem themselves," Lucas says. A first step is studying a "how-to" manual

available at every county Farm Bureau office in the state, she adds. This manual provides contact information of local water quality experts and describes how to form the watershed working

Many experts believe that use of BMPs could go a long way to reduce non-point source pollution into surface waters. In fact, one USDA agency provides not only expertise in BMPs but has some funding available for farmers to implement the practices. "We work best management practices into every conservation plan we write," says Michael McElhiney, Stanislaus County conservationist for the USDA-Natural Resources Conservation District. "These plans alone have a lot of value, especially if someone points a finger at you about a certain farming practice." Conservation plans include detailed description of everything from irrigation practices to how pesticides are handled and applied.

Last year, growers and ranchers in Stanislaus, San Joaquin and Merced counties received more than \$600,000 in funding from the Environmental Quality Incentive Program (EQIP). McElhiney encourages growers to apply for those limited funds to help defray the cost of changing farming prac-

"We have a whole suite of BMPs that meet a variety of conditions that exist on a farm. They may not solve all the problems but if we can get stewardship ingrained into farmers, we know the trend will get better," McElhiney says.

So, can growers and ranchers avoid this approaching surface water storm in California? A water expert with DowAgro Sciences who has followed the issue around the country for years offers an unqualified "no way." However, there is a chance to soften the impact.

"If growers and industry get engaged early, they can help shape the process, avoiding a strictly regulatory solution," says Dr. Bryan Stuart, manager of government relations for Dow AgroSciences in Sacramento. "But two important things need to happen quickly. First, we need to make sure that good science is used as these regulatory decisions are made. Second, we need to start implementing practices to reduce the amount of pesticides getting into surface water. And that effort has to begin now."

Parry Klassen is a farm writer and consultant based in the San Joaquin Valley. He consults with farmers on behalf of CURES to protect water quality. and implement application stewardship. Editor Len Richardson is chair of the CURES Board of Directors. \*

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